Reference #: AIP-1 Re		Client: Ocuble R (Macro Industries)
Initiation Date: 03-Oct-2023		Contact: Kris Calverley
Engineer of Record: Shella Zhang	INSPECTION I TO	Equipment: A truck-mounted telescopic boom crane
Altec Job #: 230875	- INSTECTION LID.	Manitex 45110T (Max. capacity: 35 Ions), uni⊯ 244
· · · · · · · · · · · · · · · · · · ·		(make, model, unit, SN#, etc.)
	Equipment Inspection and Certification Inspection F	
(In accordance with Engineer	ers & Geoscientists BC, Good Engineering Practices and/or Annual Equipment Inspection	
completed by the Engineer of Recor through 4) unless otherwise instruct following section and ultimately the	basis of work to be completed throughout the inspection and certification proceed (EOR) as the necessary sections data/results are compiled. Sections will be ed by the EOR. Data and results from each previous section will determine the completion of the "Safe for Use" certification. Specific inspection requiremented will be recorded in the "section notes".	e completed in sequential order (Sections 1 ne depth of inspections required for the
Section 1 - Equipment History (docu	mentation to be supplied by Client).	
✓ Reviewed relevance	vant equipment documentation.	
Documentation	was incomplete or unavailable for review.	
	True moonplets of analytimatic for review.	
Section 1 Notes:	Placards, last inspection (was completed by other), stability to be completed	
	A control of the cont	
	Section 1	completion date: 03-Oct-2023
		EOR initials: \$7
	Inspection as per OHSR, applicable codes/standards and Manufacturers spe	
(Inspection re	port to be submitted to Altec Inspection Ltd. EOR by Client or representative of	of)
✓ Mechanical and	d Controls Inspection Reports - completed by qualifed person	
Mechanical and	d Controls Inspection Report Reference ID: M-SZ031023-1	Manadisma (anth)
Not Applicable		
	2	derivative and the second designation of the
Section 2 Notes:	All identified mechanical and control issues were corrected by Double R Repairs	
	i am satisfied with the mechanical and control inspection report	A CONTRACTOR OF THE CONTRACTOR
	Section 2	completion date: 20-Oct-2023
		EOR initials: 57
Section 3 - Structural Inspection as	per OHSR, applicable codes/standards and best engineering practices.	
	uctural Inspection will be completed by Altec Inspection Ltd.)	
V	,	
	ection Report - completed by qualifed person ort ID: S-SZ031023-1	
Section 3 Notes:	Disassembled boom inspection was completed on June 13, 2023, Dsassembled load block (serial # 413976	676) inspecting was associated as June 20, 2002
Collett & Holes.	No significant structural deficiencies were noted at the time of inspection	(170) inspection was completed on dutie 30, 2023
	Stability test was completed on October 12, 2023	
	Section :	3 completion date: 20-0st-2023
		EOR initials: 52
Section 4 - Final Certification		
PROPERTY.	ion and inspections provided were found to be in compliance with the Engineer	
LY All documentate	ion and inspections provided were found to be in compliance with the Engineer	are &

All documentation and inspections provided were found to be in compliance with the Engineers & Geoscientists BC, Good Engineering Practices and/or the Annual Equipment Inspection and Certification Guidelines. Issue "Safe for Use" certification.

Certification (Report ID): C-S2031023-1

All documentation and/or inspections were not satisfactory. Certification cannot be issued.

Section 4 Notes: Please maintain documentation and equipment as per OEM, OHSR, & EGBC Guidelines

Note: the maximum crane capacity was limited by the current load block capacity of 35 tons

Section 4 and self check completion date: 20-Oct-2023

EOR initials: 52

OQM document review and acceptance.

Document Rev. Date: May 5, 2021



PH: (250) 785-6295 FAX: (250) 785-4395 www.altecinspection.ca

SAFE FOR USE CERTIFICATE

Inspection Plan Ref.: AIP-1 Rev.1

Report ID: C-SZ031023-1

CLIENT: Double R (Macro Industries)

MAKE & MODEL: Manitex 45110T

(maximum capacity: 35 tons, limited by the current load block)

SERIAL NUMBER: 203928

UNIT: 244

LOCATION: Double R Repairs' yard, Fort St. John B.C.

CERTIFICATE DATE: October 03, 2023 CERTIFICATE EXPIRATION DATE: October 03, 2024

STRUCTURAL S-SZ031023-1

INSPECTION REF.: Completed by Altec Inspection Ltd.

MECH. & CONTROLS M-SZ031023-1

INSPECTION REF.: Completed by Owners Representative

The Structural Inspection and the Mechanical and Controls Inspection documents were prepared in accordance with the Professional Practice Guidelines – Annual Equipment Inspection and Certification in British Columbia.

Based on the information provided in the referenced inspection reports, it is my considered opinion that the above referenced equipment is <u>Safe for Use</u> within the OEM recommendations.

Any change to the "Safe Working Condition" of the equipment, will render this certification invalid.

The above has been completed as required by the Occupational Health and Safety Regulations (B.C. Reg 296/97).



Xiu Feng (Sheila) Zhang, P.Eng

Qualified Engineering Professional of Record (in the Province of British Columbia) Altec Inspection Ltd. EGBC PP # 1001837

ALTEC

S7031023- Inspection Ltd.
Inspection & Engineering
Contact:(250) 785-6295
STRUCTURAL INSPECTION TAG

Make: Mantex Landon Adda Model #: As No T Date: October 03, 2023 Ser.# 203928 Inspector: 82



CRANE STRUCTURAL INSPECTION

Inspection Plan Ref. # AIP-1 Rev.1

Report ID # S-52 03/023-

	EQUIPMENT B	ACKGROUND INFORMATION
CLIENT	DOUBER 1	Macro Industries !
DATE	MADDEN DS,	2025
MAKE / MODEL / CAPACITY		Ello T (Crose Capais (45m)
SERIAL NUMBER		Brown by local Block 35+
UNIT		Dimital Track Different 201
	Annual Inspection	Equipment Type: Tower Crane
SCOPE of WORK:	□ Modification Inspection	□ Articulating Boom Crane □ Derricks
25.0 10 10 10 10 10 10 10 10 10 10 10 10 10	□ Repair Inspection	Jelescopic Boom Crane Dother:
	OHSR Part 14	© SA Z150 - 1998 □ ASME B30.4 - 2003
Acceptance Critera	G OHSR Part 16	□ CSA Z151 - 2009 □ ASME B30.5 - 2004
(Codes / Standards):	□ OHSR Part 20	□ CSA Z248 - 2004 □ ASME B30.22 - 2005
	□ Other:	□ ANSI/ITSDF 56.6 - 2011 □ Other:
	S of INSPECTION	INSPECTION COMMENTS
(can include but	are not limited to)	
воом	Main Boom	016
BOOM	Other Boom Sections Plins & Ears 7+	OK -
357m	chooks ball head	l őE
BLOCK & HOOK	o Safety Latch VV 320	aic
SW 41397676	Safety Latch 5/413 02290	000
	Wear/Fatigue	OK.
SHEAVES:	Boom Sheaves	olc.
	Mook Sheaves	OIC.
3333-333000-533900-5333000-333000-333333	Wear	o È
CABLE & GUIDES:	Placement	OIC
i i	g Bushings	ع ان ا
Sharing the state of the state	© Welds	OL
TURRET or BASE:	Bearings / Bushings	0)(,
.,	o Pins & Ears	OC .
PEDESTAL MOUNT:	Pins & Ears	O)C
I EDESTAL MODINT.	Boits & Spacers	ال ال
***************************************	Load Chart	OC OC
PLACARDS:	Overhead Elect.	516
	© Control Levers	01
	⊘ Worn/Frayed	30 K
CABLE / CHAINS / ROPE:	Lubrication	0/4
	winch Attach.	U O'C
	Prame	OL
UNDERCARRIAGE:	© Bolts	01
	o-Welds	
OUTRIGGERS	Q.Hydraulics	O.C
GOTTHOGENG	Frame Support	000
OTUED O	The state of the s	
	OMMENTS: on-critical deficiencies, additional	soubilty test was completed in
	servations, etc.)	soubilty test was completed in
NOTE: If the		some structural components may not be accessible to inspection.
	Additional EUR Structura	al Inspection Report to follow: U Yes UN6 Inspectors Qualifications: W Engineer and/or
INSPECTED BY:	5100.40 7.W	any SA WITS.2 Reg# 5000055
	(PRINT)	(SIGNATURE) CANCGSB 48.9712 MT2 Reg# 16 45
	المداء	
SELF-CHECKED BY:	JH C. LMC	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
	(PRINT)	(SIGNATURE) (DATE)
DIRECT SUPERVISION BY:		
(if applicable)	(PRINT)	(SIGNATURE) (DATE)
	7 - 31 - 7	



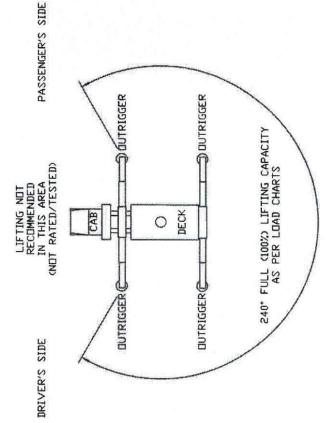
MECHANICAL AND CONTROL ELEMENTS INSPECTION

respection Plan Rei # <u>AIP-1 Roy 1</u>		Report ID # MS-C	1025
CLIEN	111/	EQUIPMENT BACKGROUND INFORMATION	VEHICLE IN
DATE of INSPECTION	11/4		
DATE OF INSPECTION	1 d	TOBER 1543	/8823/ *
MAKE / MODEL / CAPACITY	111-11	VIIEX 45 /107	1/06/
SERIAL NUMBER	30	3478	INKOX4TXOER96778
QNI	24	4	
SCOPE of WORK: (describe lask and lype of equip)	10 Ye	as Teur Dou'n + y	learly Ingonetien
Mechanical & Controls Inspection performed as per (identify applicable criteria)	II CHSR Part 12 (vehicle II CHSR Part 13 (manuts II CHSR Part 14 (avertion II CHSR Part 16 (vehicle	As supports, etc.) (a CHSR Part 25 (co. postatis work platforms, etc.) (b CHSR Part 25 (co. postatis work platforms, etc.) (b CHSR Part 25 (co. postatis work platforms) (co. postati work platforms) (co. postatis work platforms) (co. postatis work	ncruts pumparpliking bioms! colicators anderd:
in addition to the applicable OSHR, the specifical by the ALTEC MSF	tions provided by the OE	M, and any requirements of the applicable codes or standards, it gran. Non-complian) (incomplete) documentation may be causi	his Mechanical and Control Elements inspection a to be completed as require
AREAS of INSPECTION (may include and are not limited to)	ITEM CONDITION AGGEPT / REJECT		fraigst or why not applicable. Please do not leave blank spaces)
Seneral Conditor of Camer (operational corrigonant of vehicle windows, borns, gauges, floods, etc., annua CMVI if appl.)	GACCESTATION G Not Acceptable G For Applicable	FW 39654	
Performance of carrier power source stronger operating condition, gas, dieset electric, etc.	a Not Acceptable to Not Applicable	11	
Fre Condern / wheel mounting / stanning / corried arms / auspension / etc.	Acceptable in Not Acceptable u Not Acceptable	una Unanggara agampa	
Condition/ operation of califibra or braking systems and components (smags, paws and ratchers, etc.)	o Not Acceptable is Not Acceptable	11	
Sanarat Condition of the Mounted Equipment (platform, crans, etc.)	Net Acceptable	of Came IN 5 pie	cos Refair after tol
Fraing / Lindurcardage France: onto bolkoga weids, atc.)	Not Acceptable a Not Applicable	5h	· · · · · · · · · · · · · · · · · · ·
Chiriggers (oberation, connections, visible damage)	occessable o Not Acceptable o Not Applicable	of	
Tunet / Base Consection (botting inique, walks, tracking, etc.)	Post aplable Not Acceptable Not Applicable	of New Tarret Be	olts, New Surny Brake
Pro / Gears / Rollers / Locking Devices (wom cracked distance etc.)	p Acceptable contractors	of New Main wi	ich Lin.
Hydrauls / Arr Eubricaling / Codling hose consider, connections, cylinders/rams, fluid levels, links, and	Corptable political acceptable political applicable	on New Tele Hyd	cyl + All Cubles
lacards / labela for Controls, Load / Lifting capacity Warnings, etc.	DAM Acceptaine s Not Appropriate	of New Boom Les	14 The Decals goon.
Element components (apparatus (mapais consider and operation)	And Acceptable	of New Controller	nel (customor Provided)
Mechanical Contres Function Checks inspect condition then operation of all control mechanisms)	Acceptable o Not Applicable	of 1st Tele Boom B	ent tout t Replaced.
Safety Devices Anti-two Block / Limit switches / Warning lights or buzzers load indicators alc	Acceptable Sept Acceptable o Not Applicable	The Ash Not useky	t pypused.
OTHER COMMENTS (repairs, recommendations, non-citizat deficience, observations, etc.)	. »dufionai aquipment	5 Your Black Teny Doger	10 year hours.
greeing the inspected manipristal, and in addition in the complete and the spected was been completed a INSPECTED BY	R Kris Calverle	71/ 717	Сабандел меспание от
i antanii	(PRINT) or All the equipment, repair	emmits of the apparable OHSN, apparable openings of the light of	(absention and any approxime telephone
EOP Acceptance (Adec -hispection ctr. Engineer of Records	Shoile	Zhang _ ==	Oct 20 2022

CRANE LOAD CHART STABILITY VERIFICATIONS

CRANE TYPE: COMBINATION

OWNER: MACRO INDUSTRIES
LOCATION: DOUBLE R REPAIRS' YARD, FORT ST. JOHN, BC
DATE: OCTOBER 12, 2023
CRANE MANUFACTURER! MANITEX
MODEL: 451101
SERIAL: 203928
CARRIER MANUFACTURE: KENWORTH
SERIAL: INKDX4TX0ER967786
UNIT: 244
REPORT ID: SZI21023-2



NOTES

THIS TEST SHOULD NOT BE CONFUSED WITH A DESIGN TEST AS WOULD BE GENERATED FOR CONSTRUCTION OF A CRANE ASSEMBLY IN ACCORDANCE WITH ASME B30.5/SAE J765.

THIS EQUIPMENT WAS CONFIGURED WITH THE DUTRIGGERS FULLY EXTENDED AND THE FRAME LEVEL. THE LOAD WAS VERIFIED AS STABLE GIVEN THE MANUFACTURER'S RATED LOADS FOR ABOVE NOTED 240" RANGE. WEIGHTS AND MEASURES CONFORMED TO THE REQUIREMENTS OF STANDARD SAE J765.



INSPECTION LTD.

	TESTED	CHECKED
BY.	SHEILA ZHANG	SHETLA ZHANG
DATE	12.10.2023	12.10.2023